Supplementary Online Content

Chen LP, Murad MH, Paras ML, Colbenson KM, Sattler AL, Goranson EN, Elamin MB, Seime RJ, Shinozaki G, Prokop LJ, Zirakzadeh A. Sexual abuse and lifetime diagnosis of psychiatric disorders: systematic review and meta-analysis. *Mayo Clin Proc*. Published online May 10, 2010. doi:10.4065/mcp.2009.0583.

eAPPENDIX. Characteristics of Studies Included in Review.

This supplementary material has been peer reviewed, edited, and approved by the authors.

eAPPENDIX Characteristics of Studies Included in Review^a

Reference	Study design	No. of participants	Setting	Sex	Age (y) ^b	Race ^c	Type of abuse ^d	Data availability on age of abuse ^e	Outcome(s) extracted	Method of obtaining outcome
Aglan et al, ²⁹ 2008	Cohort	126	Follow-up of United Kingdom subjects with deliberate self- poisoning during adolescence	Both	20.8	Not specified	All abuse	Childhood	Depression, eating disorders	Interview using DSM-IV criteria
Brezo et al, ³⁰ 2008	Cohort	1684	French-Canadian, school- based cohort	Both	6-24	Majority white	All abuse	Childhood	Suicide attempts	Diagnostic Interview Schedule using DSM-III-R criteria
Brown et al, ³² 1997	Case- control	156	Inpatient psychiatric program for bulimia and anorexia nervosa with control group of general practitioner patients in Australia	Female	18-47	Not specified	All abuse	Childhood	Eating disorders	DSM-III-R criteria
Brown et al, ³¹ 1999	Cohort	639	Cohort of randomly selected children in upstate New York followed up from mean age of 5 y to adulthood	Both	NR	Not specified	All abuse	Childhood	Depression, suicide attempts	National Institute of Mental Health Diagnostic Interview Schedule for Children using DSM-III-R diagnoses
Buist & Janson, ³³ 2001	Cohort	45	Cohort of women admitted for postpartum depression	Female	31	Not specified	All abuse	Childhood	Depression	Standard diagnostic interview using DSM-III-R criteria
Cachelin et al, ³⁴ 2005	Case- control	190	Mexican American women with eating disorders and healthy controls in urban Los Angeles	Female	26	Mexican American	All abuse	NS/NR	Eating disorders	Phone interviews using <i>DSM-IV-TR</i> criteria
Cheasty et al, ⁷ 1998	Case- control	237	Women with and without depression at 3 general practices in Ireland	Female	18-87	Not specified	All abuse	Childhood	Depression	Self-reported psychiatric history in interview along with research diagnostic criteria
Chowdhary & Patel, ³⁶ 2008	Cohort	1537	Population cohort of married women in India	Female	15 (12-17)	Not specified	All abuse	Adult	Suicide attempts	Clinical interview (Clinical Interview Schedule–Revised)
De Bellis et al, ³⁷ 1994	Case- control	42	Sexually abused girls referred from Child Protective Services and community-recruited controls	Female	11.7	Mixed	All abuse	Childhood	Suicide attempts	Psychiatric data collected in medical history or by records

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Reference	Study design	No. of participants	Setting	Sex	Age (y) ^b	Race ^c	Type of abuse ^d	Data availability on age of abuse ^e	Outcome(s) extracted	Method of obtaining outcome
Deep et al, ³⁸ 1999	Case- control	64	Females with eating disorders from inpatient and outpatient eating disorders programs and healthy controls from community	Female	16-39	Not specified	All abuse	NS/NR	Eating disorders	DSM-III-R criteria
Dinwiddie et al, ³⁹ 2000	Cohort	5995	Australian National Health and Medical Research Council Twins Register	Both	NR	Not specified	All abuse	Childhood	Depression, eating disorders, suicide attempts	Telephone interviews or mailed questionnaires using <i>DSM-III-R</i> diagnoses
Ernst et al, ⁴⁰ 1993	Cohort	224	Cohort of the Zurich Study: 19-year-old conscripts and 20- year-old first-time voters in Switzerland followed up to age 30 y	Both	30	Not specified	All abuse	Childhood	Anxiety, depression, suicide attempts	Interviews using DSM-III diagnoses
Fergusson et al, ⁴² 2000	Cohort	980	Birth cohort of New Zealand children studied from birth to age 18 y in Christchurch Health and Development Study	Both	18 & 21	Not specified	All abuse	Childhood	Anxiety, depression, suicide attempts	Composite International Diagnostic Interview using DSM-IV criteria and interview question regarding suicide attempts
Fergusson et al, ⁴³ 2002	Cohort	1011	Birth cohort of New Zealand children studied from birth to age 21 y in Christchurch Health and Development Study	Both	18-21	Not specified	All abuse	Both	Anxiety, depression	Composite International Diagnostic Interview using DSM-IV criteria
Fergusson et al, ⁴¹ 2008	Cohort	1265	Birth cohort of New Zealand young adults	Both	16-25	Not specified	All abuse	Childhood	Anxiety, depression, suicide attempts	Composite International Diagnostic Interview using DSM-IV criteria (depression, anxiety), self-report (suicide attempts)
Figueroa et al, ⁴⁴ 1997	Case- control	78	Inpatients at general psychiatric unit and community nonpatient controls	Both	18-60	Not specified	All abuse	Childhood	Depression	Research Diagnostic Criteria diagnoses by patient's primary therapist and senior supervisor

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Fiorentine et al, ⁴⁵ 1999	Cohort	262	Participants in 26 outpatient drug treatment programs in Los Angeles metropolitan area	Both	35	Mixed	All abuse	NS/NR	Suicide attempts	Clinical interview
Frank & Anderson, ⁴⁶	Cohort	91	Women referred from rape crisis center and their friends as controls	Female	23.4	Not specified	Rape	NS/NR	Anxiety, depression	Diagnostic Interview Schedule
Garnefski et al, ⁴⁷ 1992	Case- control	570	High school students with and without suicide attempts from randomly selected secondary school in the Netherlands	Both	15-16	Majority white	All abuse	Childhood	Suicide attempts	Self-report questionnaire
Gutner et al,48 2006	Cohort	122	Female victims of rape or physical assault	Female	31.6	Mixed	Rape	NS/NR	PTSD	Clinician- Administered PTSD Scale interview
Harvey et al,49 1994	Cohort	60	Inpatients at addiction treatment facility	Both	37.5	Majority white	All abuse	NR	Suicide attempts	Brief Symptom Inventory self- report questionnaire
Kolko et al, ⁵⁰ 2003	Cohort	68	Child victims of physical or sexual abuse	Both	11.7	Mixed	All abuse	Childhood	PTSD	Clinician- Administered PTSD Scale for Children clinical interviews
Pearce et al,35 2008	Cohort	543	Charts of child psychiatric outpatient clinic at urban medical center in Canada	Both	12.1	Majority Hispanic	All abuse	Childhood	Suicide attempts	Interview using yes or no questions
Pettigrew & Burcham, ⁵¹ 1997	Case- control	146	Referral psychiatric patients and randomly selected controls from same psychiatrist in Australia	Female	35.5	Not specified	All abuse	Childhood	Eating disorders, schizophrenia, somatoform disorders, suicide attempts	Review of patient files from private psychiatric practice
Plunkett et al, ⁵² 2001	Cohort	183	Children from Child Protection Units and random community controls from schools in Australia	Both	17	Not specified	All abuse	Childhood	Suicide attempts	Self-administered questionnaire regarding any suicide attempts

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Reference	Study design	No. of participants	Setting	Sex	Age (y) ^b	Race ^c	Type of abuse ^d	Data availability on age of abuse ^e	Outcome(s) extracted	Method of obtaining outcome
Price et al, ⁵³ 2002	Case- control	186	Cases of boys victimized by male teacher and controls from adjacent community's school in United Kingdom	Male	NR	Not specified	All abuse	Childhood	Anxiety, depression	School health or general practitioner records
Rimsza et al, ⁵⁴ 1988	Cohort	139	Children and adolescents with sexual abuse history at public hospital and controls from general clinic	Female	10	Not specified	All abuse	Childhood	Sleep disorders, suicide attempts	Mother or primary caretaker report in phone interview
Roelofs et al, ⁵⁵ 2002	Case- control	104	Psychiatric patients referred for inpatient or outpatient treatment in the Netherlands	Both	NR	Not specified	Rape	Childhood	Somatoform disorders	Screening by psychiatrist using DSM-IV criteria
Spataro et al, ⁵⁶ 2004	Cohort	3,141,357	Sexually abused children and general population controls in Australia	Both	NR	Not specified	All abuse	Childhood	Anxiety, schizophrenia	Registered cases of psychiatric diagnoses
Spitzer et al, ⁵⁷ 2008	Case- control	56	Inpatient and outpatient referral sample from psychiatry clinic and hospital in Germany	Both	41.8	Not specified	All abuse	Childhood	Somatoform disorders	Structured Clinical Interview for <i>DSM-IV</i>
Steiger et al, ⁵⁸ 2000	Case- control	65	Outpatients with bulimia nervosa from eating disorders clinic and community controls in Canada	Female	24.1	Not specified	All abuse	Childhood	Eating disorders	Eating Disorders Examination interview
Striegel- Moore et al, ⁵⁹ 2002	Case- control	411	Community women with binge eating disorder and both healthy and psychiatric comparison groups	Female	30.4	Mixed	All abuse	Childhood	Eating disorders	Interview using DSM-IV criteria and Eating Disorders Examination
Stuart et al, ⁶⁰ 1990	Case- control	145	Women with bulimia nervosa and major depression compared with community controls	Female	36.7	Majority white	Rape	Childhood	Depression, eating disorders	DSM-III-R criteria
Tanskanen et al, ⁶¹ 2004	Case- control	1405	General adult population sample in Finland	Both	45.7	Majority white	All abuse	Childhood	Depression	Self-reported answer regarding diagnosis of depression by physician in past 12 mo
Welch & Fairburn, ⁶² 1996	Case- control	204	Cases of bulimia nervosa compared with both community normal controls and psychiatric controls in United Kingdom	Female	23.7	Not specified	All abuse	NS/NR	Eating disorders	Interview using Eating Disorders Examination (DSM-III-R criteria)

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Reference	Study design	No. of participants	Setting	Sex	Age (y) ^b	Race ^c	Type of abuse ^d	Data availability on age of abuse ^e	Outcome(s) extracted	Method of obtaining outcome
Widom, ⁶³ 1999	Cohort	1196	Abused and/or neglected children matched with nonvictimized children	Both	28.7	Mixed	All abuse	Childhood	PTSD	National Institute of Mental Health Diagnostic Interview Schedule (closely follows <i>DSM-III-R</i> text)
Wise et al, ⁶⁴ 2001	Case- control	732	Depressed women and nondepressed controls	Female	36-45	Majority white	All abuse	Both	Depression	Structured interview using DSM-IV criteria

^a DSM = Diagnostic and Statistical Manual of Mental Disorders; III = Third Edition; III-R = Third Edition Revised; IV = Fourth Edition; IV-TR = Fourth Edition, Text Revision; NR = not reported; NS/NR = not stratified/not reported; PTSD = posttraumatic stress disorder.

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^b Mean age unless otherwise specified.

^c Majority of race was defined as more than 70% of population; assumption was made for Scandinavian countries in which population was more than 70% white; mixed designates population in which no particular race was more than 70%.

^d Rape was defined as forced vaginal, anal, or oral penetration; all abuse was defined as all forms of sexual abuse, including rape.

e Availability of data on age at which abuse occurred. Childhood was defined as 18 years or younger; both designates studies for which data were extracted on childhood and adult abuse separately.

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